Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

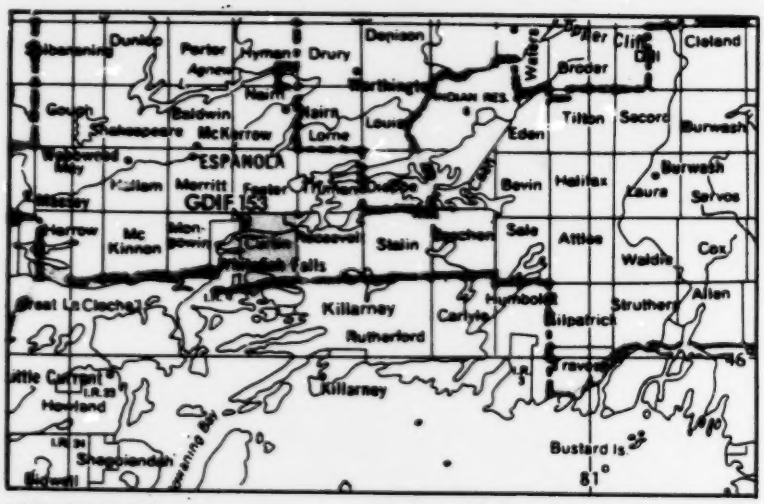
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 153

CURTIN TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office,
Sudbury



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 I/4

Mining Claim Map Number M745

This project was funded by the Ontario Ministry of Northern Affairs through the Northern Ontario Geological Survey (NOGS) Program.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1984: Curtin Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 153, compiled by the staff of the Resident Geologist's Office, Sudbury, 24 pages and 2 maps.

Original Compilation by: Adlington, Richard, May 24, 1983.

Date	Page Revised	Revised by

Date	Page Revised	Revised by

CURTIN TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1 map
Exploration Data Map - 1 map
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	R.A.
2	Assessment Files Research Office, Toronto	N.A.	R.A.
3	ODM General Index; 7 volumes	Yes	R.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	R.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	R.A.
6	ODM Industrial Mineral Reports	Yes	R.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	R.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	R.A.
9	Newspaper Clippings File	Yes	R.A.
10	GSC Index to Publications	Yes	R.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	R.A.
12	OGS Index Maps	Yes	R.A.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	R.A.
14	Author - Subject Articles File	Yes	R.A.
15	Miscellaneous Papers: ODM & OGS	Yes	R.A.
16	ODM Geological Circulars: OGS Study Series , Reports	Yes	R.A.
17	ODM Preliminary Reports: ODM Bulletins	No	R.A.
18	ODM – OGS Open File Reports	Yes	R.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	R.A.
20	OGS Aggregate Resources Inventory Papers	No	R.A.
21	OGS Mineral Potential Maps	Yes	R.A.
22	Theses on File, Sudbury	Yes	R.A.
23	Aerial Photographs on File, Sudbury	Yes	R.A.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
▲ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
▲ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (fluorspar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . .Galena
△ gt . . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
△ mag . . . . . .Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
△ mo . . . . . .Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
▲ pent . . . . . .Pentlandite
▲ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
▲ si . . . . . .Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod. . . . . .Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
▲ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr . . . . . Zircon
▲ s . . . . . Sulphide

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Curtin Township Showing	Cp	-	-	O.D.M. Map 2361
B	Bridger Property	Au,U	U 2	MDC18, p.57	O.D.M. GR131, pp.52,53
C	Bousquet Mine (Bousquet Gold Mines, Aggressive Mining, Curtin Mines)	Au	Au 1	MDC18, p.56,57	O.D.M. GR131, pp.51,52
D	Howry Mine (Ewing, D.)	Au,S	Au 4	MDC18, p.57	O.D.M. GR131, p.55
E	Lawson Quarry (Inco Ltd.)	SiO_2	-	I.M.C.2, pp.7,8	O.D.M. GR131, pp.4, 58, 59
F	Iroqois Island (Parr Mines, Dollard Mines, Evenlode Gold Mines, Four Square Mining Syndicate)	Cu,Au,Ag,Co	Cu 1	MRC2, p.89	
G	Upsala Mine (Upsala Mines, White, S. J., Mattagami Lake Mines, Curtin Prospecting Syndicate)	Au,Cu	Au 1		O.D.M. GR131, pp.47, 57
H	Aggressive Mining (Curtin Mines)	Cu,Ni,Co, Au,Pt	-	-	Drill hole logs

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT SINKING	PRODUCTION	
1	Aggressive Mining Ltd. (Curtin Mines Ltd., Bousquet Mines Ltd., Mattagami Lake Mines Ltd., White, S.)			-73 79	73 74 79 80 81	73 79 81							73		73					
2	Bousquet, L. R.			73																
3	Bousquet Gold Mines Ltd. (Anglo Huronian Ltd., Aggressive Mining Ltd., Curtin Mines Ltd., Bousquet, J., Tough, R.)			11 -14			20 33 -37											11[1] -14 20[2] 33[3] -35	36 -37 38[4] 46[4] 49[4]	
4	Bridger, J. R. (Bousquet Mines Ltd., Pond Occurrence)			10 -11	54 59[5]	54	20											10[1] -11 20[2]		
5	Curtin Prospecting Syndicate (Upsala Mine)			52														-51[7] 53[8]	51[6] 52[6] 53[6]	

GDIF FORM NO. 2

CURTIN TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT SINKING	PRODUCTION	
6	Curtin Lake Mines Ltd., Aggressive Mining Ltd., Mattagami Lake Mines Ltd.			79	79																
7	Curtin Township Showing			?																	
8	Dollard Mines Ltd. (Nor-Scan Mining & Service Co. Ltd.)			-69	69																
9	Dungarvon Resources Ltd. (Elliot, A. T., Vaughn, W. S.	81										80[9] 81	80[10] 81								
10	Elliott, A. T. (Howry Mine)			80																	
11	Evenlode Gold Mines Ltd.	54		36 54	54[11] 55[11]	54		54 59													
12	Four Square Mining Syndicate (Duffet Maxwell Property, Sylvanite Gold Mines Ltd.)			42?		42															
13	Howry Creek Gold Mine (Howrey Creek Mining Corp. Ltd., Miller Bay Gold Mines, Ltd., Ewing, D., Bousquet, J.)			11 -21		16	17[12] -21											17 -21			

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	SHAFT SINKING	PRODUCTION	
14	Inco Ltd. (Lawson Quarry)																		42-73?	
15	Mattagami Lake Mines Ltd. (Curtin Mines Ltd., Aggressive Mining Ltd., White, S.)	74		73 74	73 74							74	74		74					
16	Mylrea, F. H. (Lang Lake Property, Pond Occurrence)			59	59															
17	Parr Mines Ltd. (Elliott, J., Roche, P. L.)	65		36 53 54 65	53[5] 54[5]	65														
18	Upsala Mines Ltd. (Upsala Mine)					66													?[5]	
19	White, S. J. (Aggressive Mining Ltd., Upsala Mine)			60? 76	60 61															

GDIF FORM NO. 2

CURTIN TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Inclined Shaft, 44'. 2 miles east of Production Shaft (Bridger, J. R., Property)																		
2	Vertical Shaft, 107'. (Bridger Property)																		
3	Vertical Production Shaft, 468'																		
4	Production from Clean up.																		
5	No Data.																		
6	Milling Dump from Old Shaft																		
7	Shaft vertical, 56' Deep																		
8	2 Vertical Exploration Shafts, 30' & 40' Deep																		
9	Anomalies Reported, no Map Available																		

GDIF FORM NO. 2

CURTIN TOWNSHIP 8

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
10	VLF Conductors reported, no Map Available																			
11	No Data																			
12	Adit, 523'																			

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Aggressive Mining	80-1	1980	N	45	1	257.5	py,cp,pent	-
1a		80-2	1980	N	45	1	245	py,po,cp,pent	-
1b		80-3	1980	160	45	1	203	py,cp,pent	-
1c		80-4	1980	340	45	0.5	83.5	py,cp,pent.	-
1d		80-5	1980	N80E	45	0.5	250	py,cp,pent,po	-
1e		80-6	1981	260	45	10	182	py,cp,pent,po	Cu,Ni,Au,Pt
2		73-1	1973	N	40	0	100	cp,po	Ni,Cu
3		73-2	1973	S	20	0	100	cp,po	-
4		74-1	1974	No	Data				
4a		74-2	1974	No	Data				
5		74-3	1974	No	Data				
6	Curtin Mines	79-2	1979	127	50	0	248	py,po,cp	Au,Ni,Cu,Co
7	Bridger J. R.	1	1954	180	58	14	324	Cp,asp,py	Au,U
7a		2	1954	180	60	12	150	py	Au,U
7b		3	1954	180	75	32	364	py	Au,U
7c		4	1954	180	75	88	233	py,asp	Au,U
8	Curtin Mines	79-1	1979	172	46	0	495	py,cp	Au
9		79-3	1979	180	50	0	335	po,pent,cp	
10		79-4	1979	S5W	49	0	250	py,asp,gn	
11	Dollard Mines	SP3-D1	1969	N10W	45	0	102	asp,po,cp	
11a		SP3-D2	1969	S10W	44	0	78	asp,po,cp	
12	Mattagami Lake Mines	C-1-74-1	1974	225	45	12	325	po,cp	-
13		C-4-74-2	1974	045	45	8	287	po,cp	-
14		C-3-74-3	1974	045	45	16	238	cp,po	-
15		C-2-74-4	1974	225	45	10	294	cp,po	Ni,Cu
16		C-1-74-6	1974	225	45	10	251	cp,po	Ni,Cu
17		C-1-74-7	1974	035	45	10	270	po,cp	Ni,Cu
18	Mylrea, F. H.	1	1959	S10E	45	0	103	py,hem,asp, ank	Au
19	White, S. J.	1	1960	S	40	0	107	-	-
19a		2	1960	N	22? (68)	0	127	-	-
20		2	1961	-	90	0	100.5	S	-

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
20a	White, S. J.	3	1961	-	90	0	101.5	-	-
21		4	1961	-	90	0	57	S	-
21a		5	1961	-	90	0	101.5	S	-
21b		6	1961	-	90	0	106	py,S	-
21c		7	1961	?	?	0	107	-	-
21d		3	1960	S?	45	0	110	-	-

GDIF FORM NO. 3

CURTIN TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

12 CURTIN TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

CURTIN TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Sudbury

Aggressive Mining Limited
Mattagami Lake Mines
Curtin Lake Mines

1974: Northern Miner, Feb.14, June 13, Dec.5

ODM GENERAL INDEX SEARCH

Words searched:

BOUSQUET GOLD MINES
CURTIN PROSPECTING SYNDICATE
CURTIN TOWNSHIP
EVENLODE GOLD MINES
FOUR-SQUARE MINING SYNDICATE
HOWREY CREEK GOLD MINE
LAWSON QUARRY
MAJESTIC GOLD MINES
TIMBER BERTH 11
TOWNSHIP 11

Index Volume	Listing:	Report Volume	Part	Page
2	BOUSQUET GOLD MINES LTD.			
	Capital and date of charter	30	1	48
	Capital; directorate; notes on claims	30	1	104
	Operations	31	10	46
3	BOUSQUET GOLD MINE, Tp.11, Sud.			
	Accident rate (1936)	46	1	243
	(1937)	47	1	256
	Closed down	47	1	14
	Geology and workings	38	7	49,50
	reports and plans	44	7	60
	Mill, capacity	46	1	28
	Operations. See Bousquet Gold Mines			
	Production (1936)	46	1	14
	(1937) facing	47	1	10
	(1938) facing	48	1	10
3	BOUSQUET GOLD MINES, LTD.			
	See also Bousquet Gold Mine			
	Capital; officers; operations			
	(1933)	43	1	63
	(1934)	44	1	74
	(1935)	45	1	84
	(1936)	46	1	105
	(1937)	47	1	94
4	BOUSQUET GOLD MINE, TP.11, Sud.			
	Production (1945) facing	55	1	10
	(1948) facing	58	1	10
	statistics	59	1	Table 6
5	BOUSQUET GOLD MINE, Tp.11, Sud.			
	Production statistics	64	1	18
5	CURTIN PROSPECTING SYNDICATE			
	Capital; officers; operations:			
	(1951)	61	2	19
	(1952)	62	2	21
	(1953)	63	2	22
	Gold production:			
	(1952)	62	1	facing 10
	(1953)	63	1	facing 10
	statistics	64	1	18

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
3	CURTIN TP., Sud. See Timber Berth 11			
5	CURTIN TP., Sud. Gold mg. See Curtin Prospecting Syndicate			
7	CURTIN TOWNSHIP, Sud. Gold prospect Silica deposits. See Lawson quartzite quarry	71		69
7	EVENLODE GOLD MINES LTD. Copper showing, Curtin twp. report on (1957)	MRC2		89
4	FOUR-SQUARE MINING SYNDICATE, LTD. THE Incorporated	51	1	42
2	HOWREY CREEK MINING CORPORATION Capital and date of charter Operations; veins; notes	27 30 31	1 1 10	71 105,106 47
2	HOWRY CREEK, Whitefish r., L. Huron See Howry Creek g. area			
2	HOWRY CREEK GOLD AREA, N. shore of L. Huron See also Howrey Creek Mining Corp'n. Animikie and Keweenawan Gold See also Bousquet Gold Mines, Ltd. Majestic Gold Mines, Ltd. discovery mining notes by Hopkins Map, sketch	30 30 30 30 30	2 2 1 2 1	8 4 104,105 18,19 105
3	HOWRY CREEK AREA, Sud. Gold mg. See Bousquet g.m. Howry Creek g.m.			
3	HOWRY CREEK GOLD MINE, Tp.11, Sud. Mineralization and workings	38	7	49,50

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
7	LAWSON QUARTZITE QUARRY, Curtin twp.			
	Air photo	IMR9		10
	Reports	IMR2		7
		IMR9		9
2	MAJESTIC GOLD MINES, LTD.			
	Capital and date of charter	31	1	48
	Operations near West River	31	10	47
	Properties owned by; work done	30	1	106
	Howry Creek area	30	6	19
3	MAJESTIC GOLD MINE, Mongowin tp.			
	Report and photo	38	7	46,47
3	TIMBER BERTH 11, Sud.			
	Gold m.g.			
	See Bousquet g.m.			
	Howrey Creek g.m.			
3	TOWNSHIP 11, Sud.			
	See Timber Berth 11			
5	TOWNSHIP 11, Sud.			
	Gold mg. See Bousquet g.m.			

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

CURTIN TOWNSHIP

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1971	Panache Lake Area, West Part	O.D.M. Map P.668	1"=1 mile
	1978	Sudbury-Manitoulin Area	O.G.S. Map 2360	1"=2 miles
Card, K. D., & Lumbers, S. B.	1974,75	Sudbury-Cobalt	O.G.S. Map 2361	1"=4 miles
Thomson, J. E.	1961,68	Espanola Sheet	O.D.M. Map P.105	1"=2 miles
		GEOPHYSICAL MAPS		
O.D.M.-G.S.C.		Aeromagnetic maps		
	1965	Whitefish Falls, East	1522G	1"=1 mile
O.D.M.	1952	Mongowin Township		1"=¼ miles
O.D.M.	1952	Curtin Township		1"=¼ mile
O.D.M.-G.S.C.	1965	Sudbury, Ontario	7067G	1"=4 miles
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Dep't of Energy, Surveys & Mapping Branch	1975	Topographic Map, Whitefish Falls, East		1:50,000
Gartner, J. F.	1978	N.O.E.G.T.S. Data Base Map, Espanola		1:100,000
	1980	N.O.E.G.T. Study 99, Espanola Area		
		MINERAL POTENTIAL MAPS		
Springer, J.	1977	Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet	O.G.S. Map P.1512	1:250,000
		GEOCHEMICAL		
		No Data Available, May 24, 1983		

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Card, K. D.	1967	Curtin Township	O.D.M. Map P.392	1"=¼ mile
	1975	Geology of the Panache Lake Area, Dist. of Sudbury and Manitoulin	O.F.R.5123	
	1976	Espanola-Whitefish Falls Area, District of Sudbury, Onc.	O.D.M. GR131	
		Mongowin and Curtin Townships	O.D.M. Map 2312	1"=½ mile
	1976	McGregor Bay-Bay of Islands Area, Districts of Sudbury and Manitoulin	O.D.M. GR138 O.D.M. Maps 2316 2317 2318	 1"=½ mile 1"=½ mile 1"=½ mile
	1978	Sudbury-Manitoulin Area, Districts of Sudbury and Manitoulin	O.D.M. GR166 O.D.M. Map 2360	 1"=2 miles
Card, K. D., Palonen, P., Fox, J.	1968	Bay of Islands-McGregor Bay Area McGregor Bay Sheet (West Half)	O.D.M. Map P.442	1"=¼ mile
Gordon, J. B., et al	1979	Gold Deposits of Ontario, Part 2	O.D.M. M.D.C.18	pp.56-58,96
Hewitt, D. F.	1951	Silica in Ontario	O.D.M. I.M.C.2	pp.7,8
O.G.S. & Mineral Resources Branch	1982	Mineral Potential Map of Ontario Southern Sheet Magnetic Compilation Map Geological Compilation Map 2197	O.F.R.5328	 1"=16 miles 1"=16 miles 1"=16 miles

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Robertson, J. A.	1968	Uranium and Thorium Deposits of Northern Ontario	O.D.M. MRC9	p.85
Robertson, J. A., Ferguson, S. A., et al	1957	Copper, Nickel, Lead and Zinc Deposits in Ontario	O.D.M. MRC2	p.89
Springer, J.	1977	Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet	O.G.S. Map P.1512	1:250,000
Yundt, S. E., et al	1983	Industrial Minerals of Ontario	O.G.S. Map P.2591	1:1,500,000
		JOURNALS ARTICLES, THESES, TECHNICAL REPORTS		
Ginn, R. M.	1960	The Relationship of the Bruce Series to the Granites in the Espanola Area. Ph.D., UT.		
Hanes, F. E.	1968	Investigation of a Quartzite Deposit on the McGregor Bay Indian Reserve at Birch Island. Mines Branch Invest. Report IR 68-13, Mines Branch, Ottawa		
Lang, A. H., et al	1962	Curtin Township in Canadian Deposits of Uranium and Thorium; GSC Economic Geology Series 16 (2nd Edition)		p.257
Long, D. G. F.	1978	Depositional Environments of a thick Proterozoic sandstone; the (Huronian) Mississagi Formation of Ontario, Canada	Can. J. Earth Sci., Vol.15	pp.190-206
Lindsay, D. A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario, Canada	Geol. Soc. Am. Bull., 80	pp.1685-1702

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
McLennan, S. M., Fryer, B. J., Young, G. M.	1979	The geo-chemistry of the carbonate-rich Espanola Formation (Huronian) with emphasis on rare earth elements	Can. J. Earth Sci., Vol.16	pp.230-239
Schenk, P. E.	1965	Depositional Environment of the Gowganda Formation (Precambrian) at the south end of Lake Timagami, Ontario	J. Sed. Pet., Vol.35	pp.309-318
Thachuk, N. M.	1960	The Origin of the Gowganda Banded Argillite. B.A. Sc., U.T.	MP2	
Young, G. M.	1973	Origin of the carbonate-rich Early Proterozoic Espanola Formation, Ontario, Canada	Geol. Soc.Am.Bull., Vol.84	pp.135-160
	1981	The Early Proterozoic Gowganda Formation, Ontario Canada	Earth's Pre-Pleistocene Glacial Record. Cambridge University Press.	pp.807-812

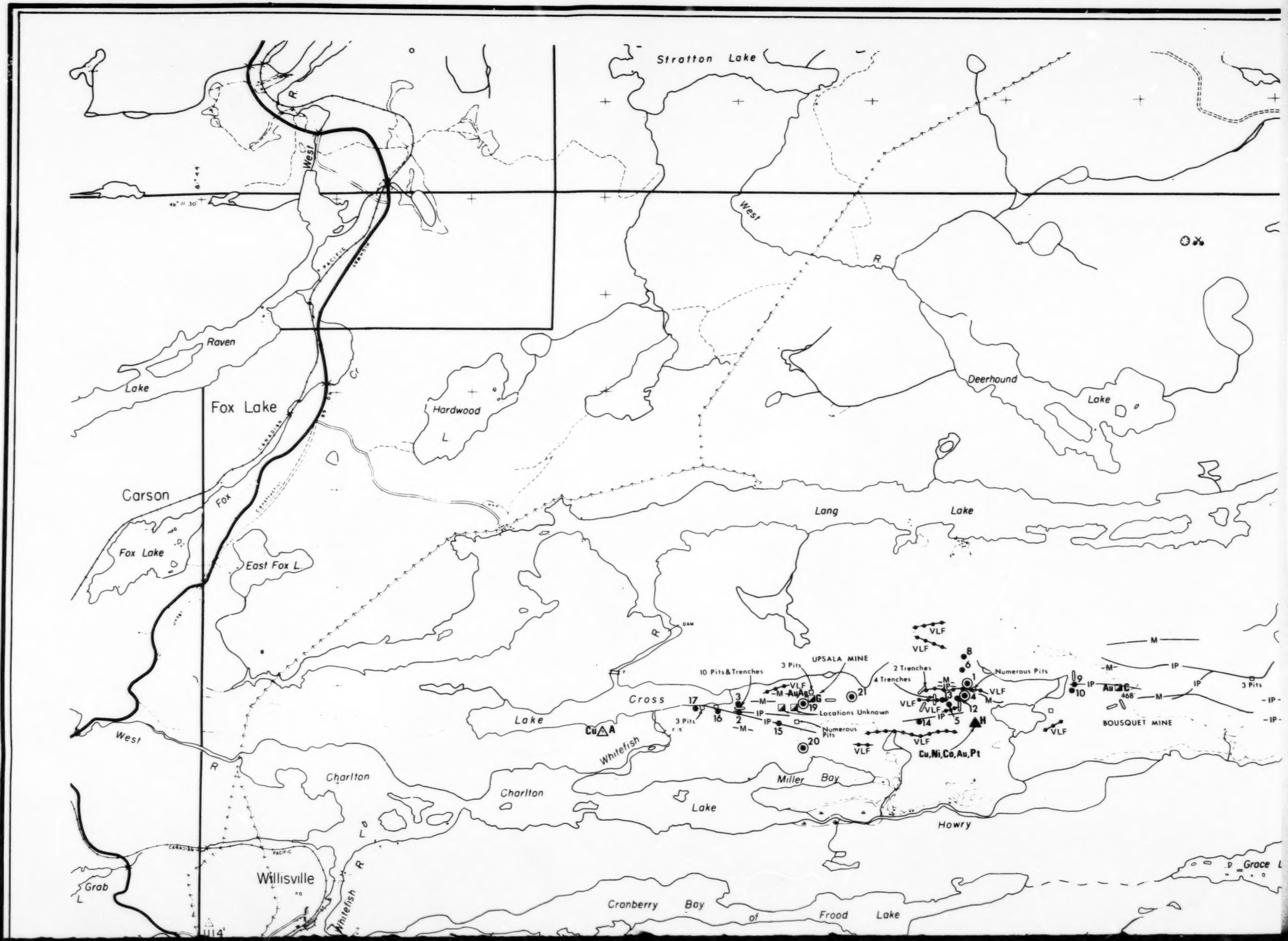
GDIF FORM NO.9

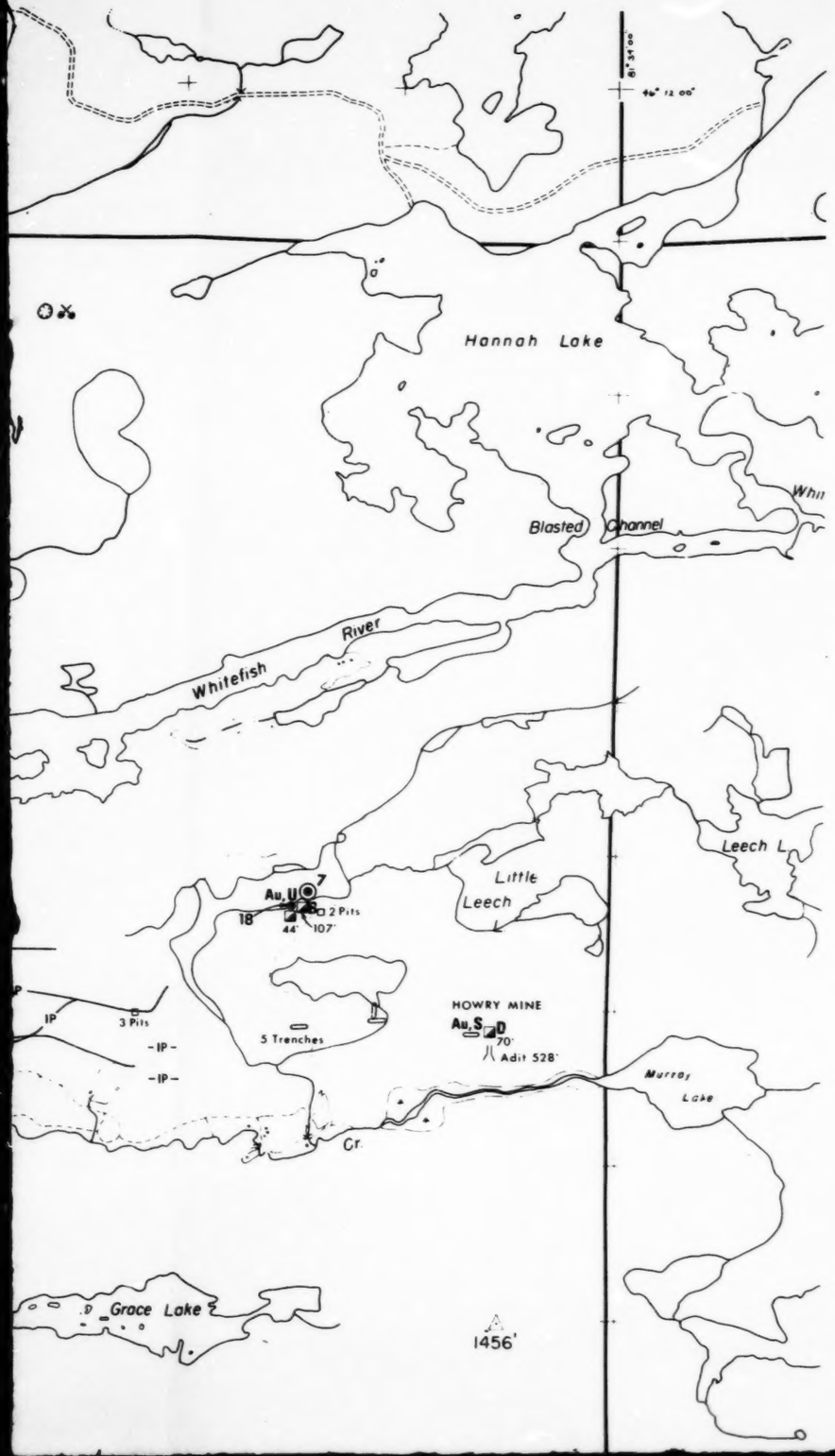
NOTES AND ADDENDA

Aerial Photographs on File, Sudbury

Year	Roll	Line	Numbers
1959	145	4608	123-129
	23	4607	9-15
	16	4606	40-47
	16	4605	32,34,36,37
	22	4604	104-110
1946	10	169	17-23
	9	170	17-25
	9	171	15-24
	299	172A	16-23
	8	173	16-25

CURTIN TOWNSHIP


Stratton Lake
West
R
Raven
Lake
Fox Lake
Hardwood
L
Deerhound
Lake
Carson
Fox
Fox Lake
East Fox L
Lang
Lake
West
R
Cross
Lake
Cu A
Whitefish
Charlton
Charlton
Lake
Miller Bay
Howry
Willisville
Grab
L
Whitefish
R
Cranberry
Bay
of
Frood
Lake
Grace L
10 Pits & Trenches
3 Pits
UPSALA MINE
Au Ag
Locations Unknown
Numerous Pits
2 Trenches
4 Trenches
Numerous Pits
VLF
Cu, Ni, Co, Au, Pt
Au C
468'
BOUSQUET MINE
3 Pits
M
IP



Ministry of Natural Resources
Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY
Map to Accompany GEOLOGICAL DATA
INVENTORY FOLIO 153

CURTIN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

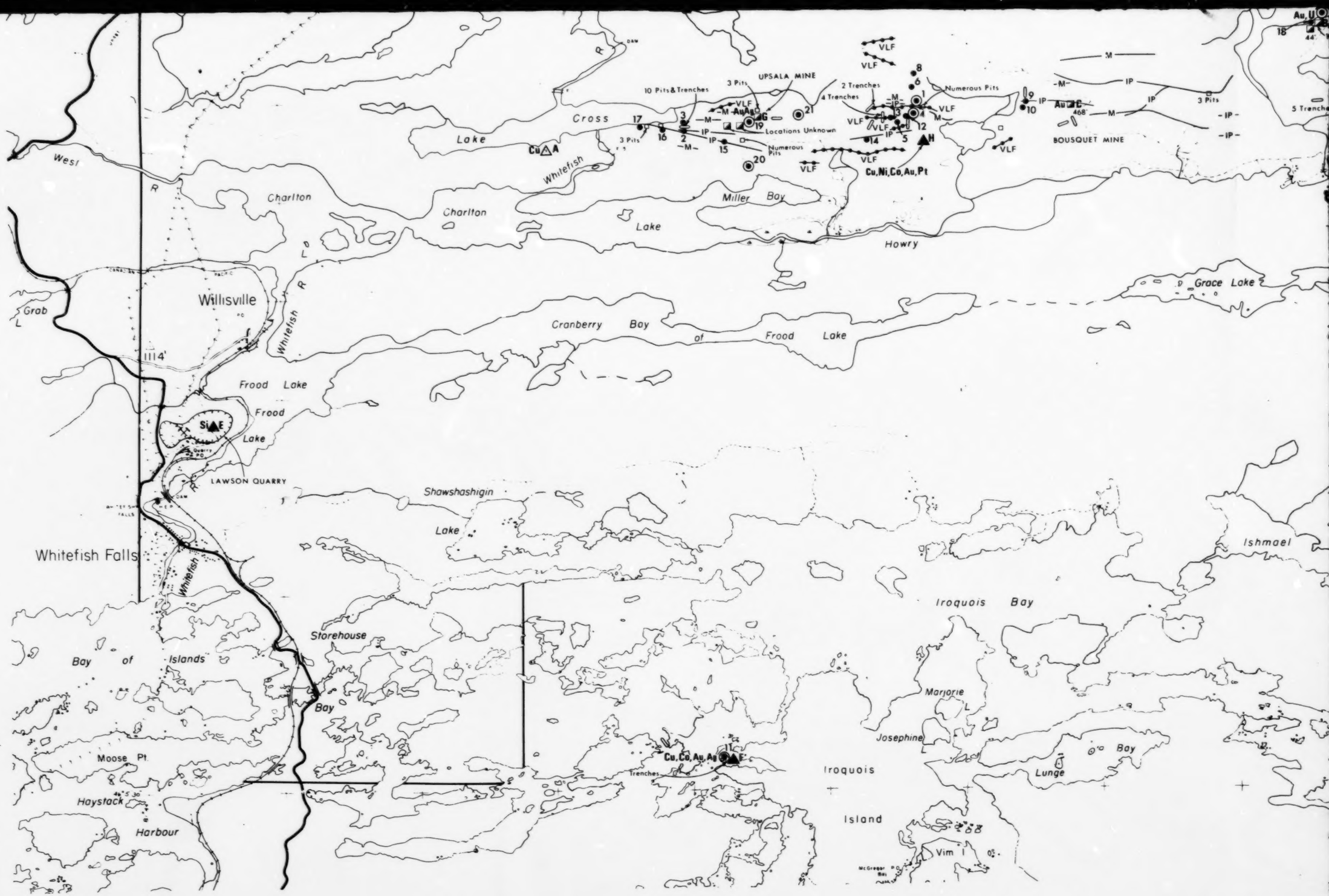
TYPES OF DATA SHOWN ON THIS MAP (Map 2 of 2.)

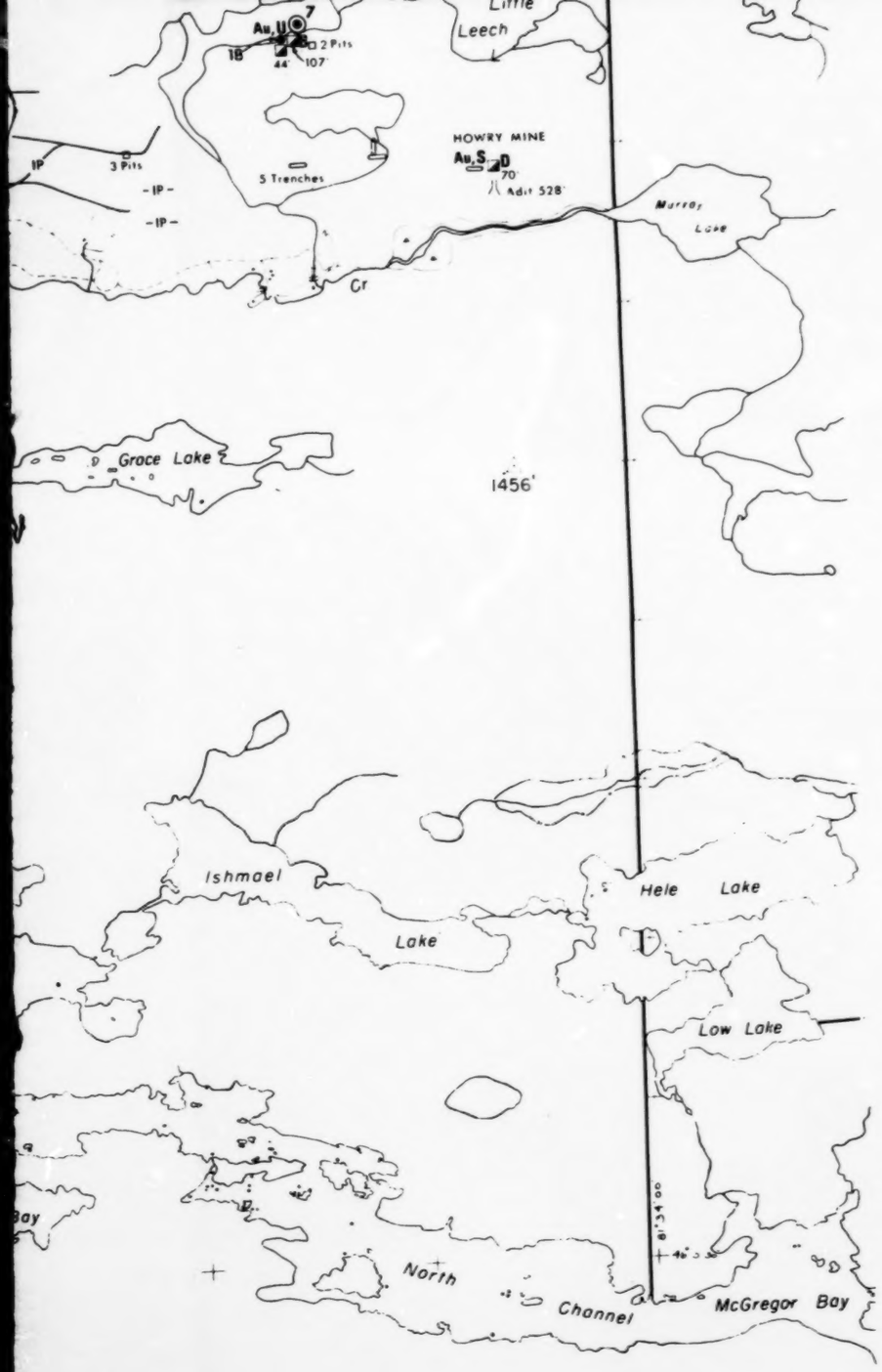
MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 24' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized Float with reference letter

GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly


Cross Lake
Whitefish R
Charlton Lake
Miller Bay
Howry
Grace Lake
Cranberry Bay of Frood Lake
Willisville
Grab L
Whitefish R
1114'
Frood Lake
Frood Lake
LAWSON QUARRY
Whitefish Falls
Whitefish
Shawshashigin Lake
Storehouse Bay
Bay of Islands
Moose Pt
Haystack Harbour
Iroquois Bay
Ishmael
Marjorie L
Josephine
Lunge Bay
Iroquois Island
Vim I
UPSALA MINE
BOUSQUET MINE
10 Pits & Trenches
3 Pits
2 Trenches
4 Trenches
Numerous Pits
Locations Unknown
Cu, Ni, Co, Au, Pt
Cu, Co, Au, Ag
Trenches
VLF
IP
M



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP (Map 2 of 2 .)

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number
- Geochemical Anomaly

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly (total intensity)
- Resistivity Anomaly
- Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and aboreviations.

Stratton Lake
West R
Deerhound Lake
Whitefish River
Lang Lake
Raven Lake
Fox Lake
Hardwood L
Carson
Fox Lake
East Fox L
Fox R
West R
Cross Lake
Whitefish R
Charlton Lake
Miller Bay
Howry
Willisville
Grab L
Cranberry Bay
Frood Lake
Grace Lake
Cr
46°11' 30"
81°44'
15
6
1,2
3
2
16
19
18
5
7
1
9

Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

(Map 1 of 2 .)

to accompany GEOLOGICAL DATA

INVENTORY FOLIO 153

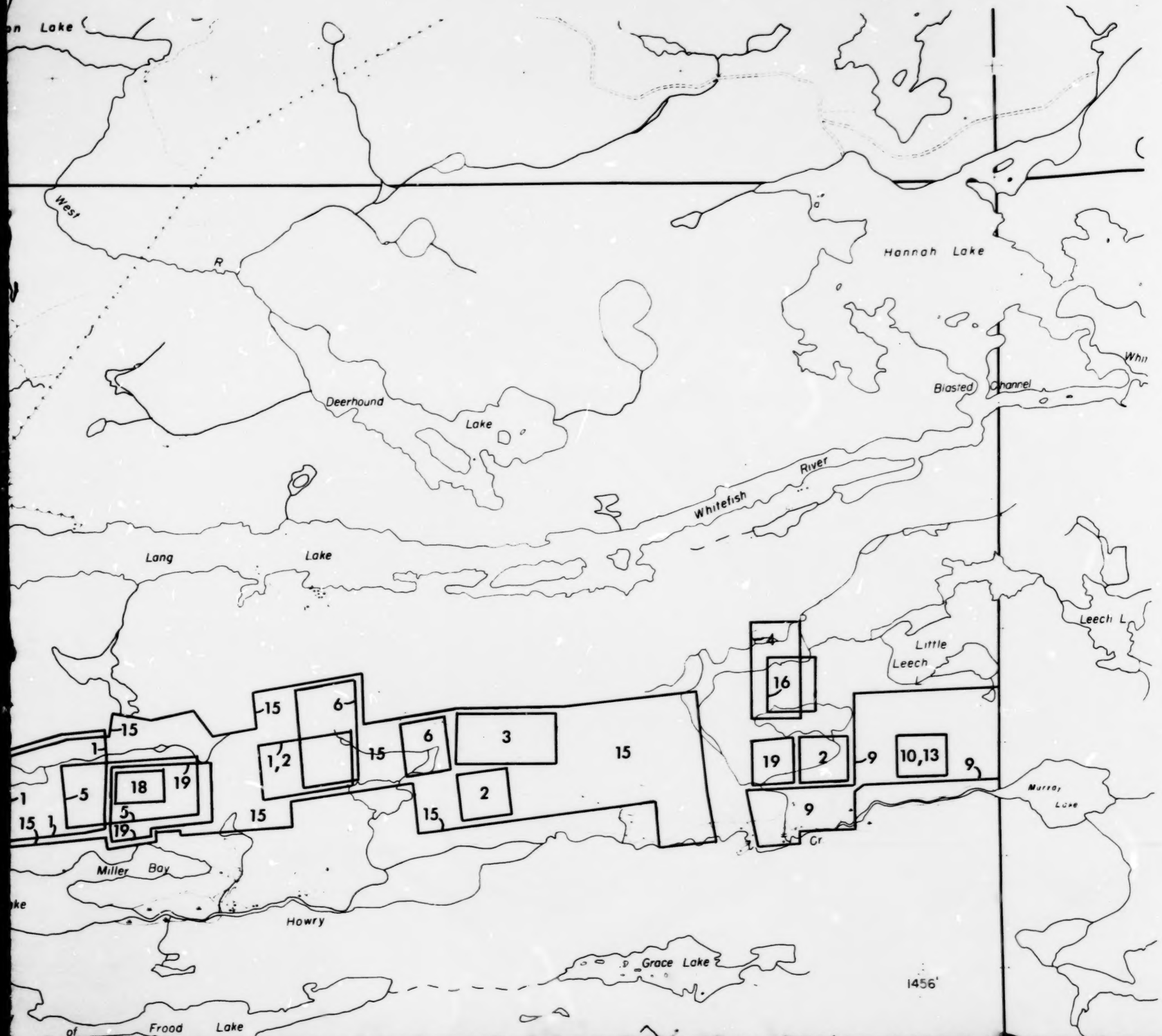
CURTIN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0 5 0 0 5 1 Mile

Kilometre 0 5 0 0 5 1 Kilometre



Millsville
Cranberry Bay
Grace Lake
Whitefish Falls
Whitefish
Lake
Stanhope
Storehouse
Bay of Islands
Bay
Moose Pt
Haystack
Harbour
Iroquois Bay
Ishmael
Marjorie
Josephine
Lunge
Iroquois
Island
Vim I
7
1
15
5
18
19
6
1,2
3
2
16
9
12
8,11,12
17

EXPLORATION DATA FILE AREAS

☒ (1) (6) Reference number is always inside work area outlined. See listing in text pages

☐ × (4) Small area of exploration data.

☐